

U.S. Patent Application Serial No. 10/709,435
Amendment filed January 31, 2005
Reply to OA dated October 29, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A probe card comprising:

2 a base plate; and

3 ~~An arch type a probe being a member in [[the]] a shape of a half circle arc, formed on and~~
4 ~~supported at one end thereof by a surface of [[a]] the base plate of a probe card; and having a top~~
5 ~~portion located at almost the center of the probe serving as a contact surface for contacting with~~
6 ~~an electrode of a measurement objective wherein~~

7 the probe having has a first quarter circle arc portion which is supported at one end
8 thereof by the base plate and a second quarter circle arc portion which is connected to the other
9 end of the first quarter circle arc portion and a little shorter than the first quarter circle arc
10 portion, ~~wherein and~~ the top portion of the probe ~~located at almost the center of the probe serves~~
11 ~~as a contact surface is~~ brought into contact with ~~an electrode of~~ the measurement objective and
12 elastically deformed and thereby a distal end of said second quarter arc portion is brought into
13 contact with said base plate.

1 Claim 2 (currently amended): ~~An arch type~~ A probe card according to claim 1, wherein a
2 projected contact terminal is provided at the top portion thereof.

1 Claim 3 (currently amended): ~~An arch type~~ A probe card according to claim 1, wherein
2 the distal end portion of the second quarter circle arc portion thereof is spherical.

1 Claim 4 (currently amended): ~~An arch type~~ A probe card according to claim 1, wherein
2 coating is applied on the distal end surface of the distal end portion of the second quarter circle
3 arc portion.

1 Claim 5 (currently amended): ~~An arch type~~ A probe card according to claim 1, in which a
2 material necessary for raising a Young's modulus is incorporated.

 Claim 6 (canceled).

1 Claim 7 (currently amended): A probe card according to any of claims 1 to 5 ~~claim 6~~,
2 wherein coating is applied on a portion of a surface of the base plate in contact with the distal end
3 surface of the second quarter circle arc portion.

1 Claim 8 (currently amended): A probe card according to any of claims 1 to 5 ~~claim 6~~,
2 wherein a reinforcing member with an elasticity higher than the ~~arch-type~~ probe and is provided
3 integrally with the ~~arch-type~~ probe on a surface thereof facing the base plate along the length
4 direction.

1 Claim 9 (currently amended): A probe card according to any of claims 1 to 5 ~~claim 6~~,
2 wherein a reinforcing member with an elasticity higher than the ~~arch-type~~ probe is provided
3 between the base plate and a surface of the ~~arch-type~~ probe on the other side thereof from the top
4 portion thereof.

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